



REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY

LIST OF MATERIALS

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| (1) APPROVED DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY. | (4) PIPE SPOOL, FLANGED D.I.P. 2 1/2" THRU 10" |
| (2) RESILIENT SEATED GATE VALVE. O.S. & Y. (FIRE LINE CONNECTION) N.R.S. (NON FIRE LINE) | (5) FLANGED ADAPTER (WHEN REQUIRED) |
| (3) 90° ELL. FLANGED D.I.P. 2 1/2" THRU 10" | |

GENERAL NOTES

1. CONTACT CITY OF MESA, WATER QUALITY SERVICES, FOR LATEST LIST OF APPROVED BACKFLOW PREVENTERS OR CERTIFIED TESTERS.
2. BACKFLOW PREVENTERS MUST BE TESTED BY A CERTIFIED TESTER BEFORE A FINAL APPROVAL IS ISSUED.
3. BACKFLOW PREVENTERS SHALL BE PAINTED LIGHT TAN OR A COLOR TO MATCH THE BUILDING. DO NOT PAINT THE NAME PLATE OR ANY BRASS PARTS OF THE ASSEMBLY.
4. INSTALL A BRASS PIPE PLUG IN EACH TESTCOCK ON THE ASSEMBLY.
5. ALL BACKFLOW PREVENTERS SHALL BE PROTECTED BY GUARD POSTS. SEE C.O.M. DETAIL M-32.
6. FINISHED GRADE UNDER THE BACKFLOW PREVENTER SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
7. BACKFLOW PREVENTERS ON FIRE LINES MAY REQUIRE TAMPER SWITCHES ON THE SHUT OFF VALVES. CONTACT CITY OF MESA, FIRE PREVENTION, FOR SPECIFIC REQUIREMENTS.
8. PROVIDE 12-INCH MINIMUM CLEARANCE BETWEEN BACKFLOW PREVENTION ASSEMBLY AND PERMANENT STRUCTURES.

DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY;
FOR ASSEMBLIES 2 1/2 INCHES AND LARGER

DETAIL NO.
M-31.2